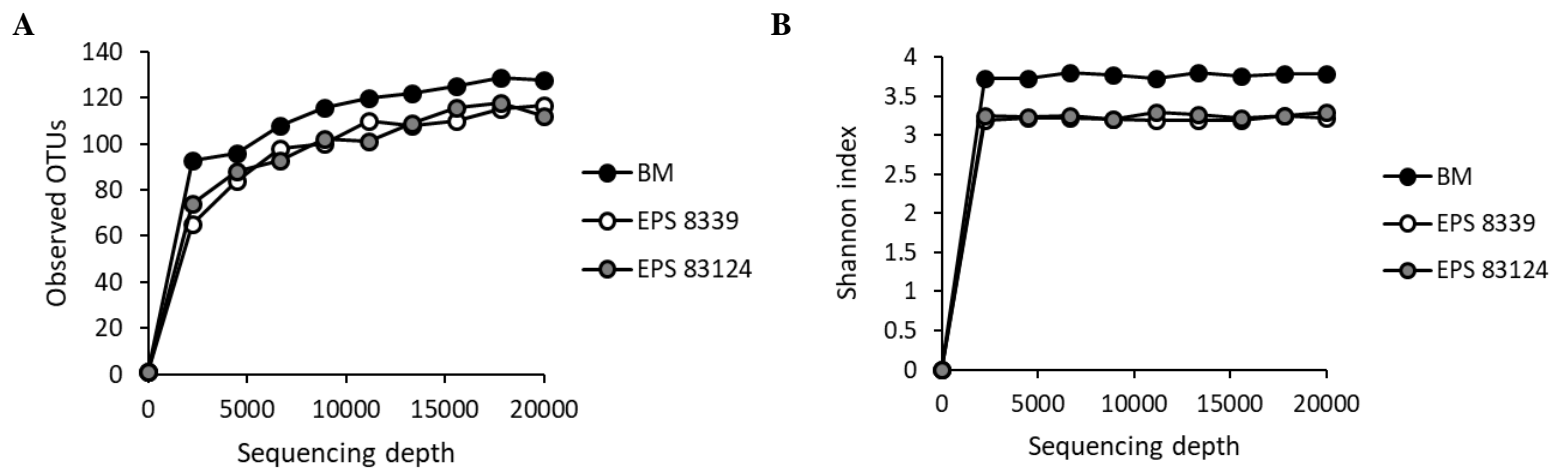
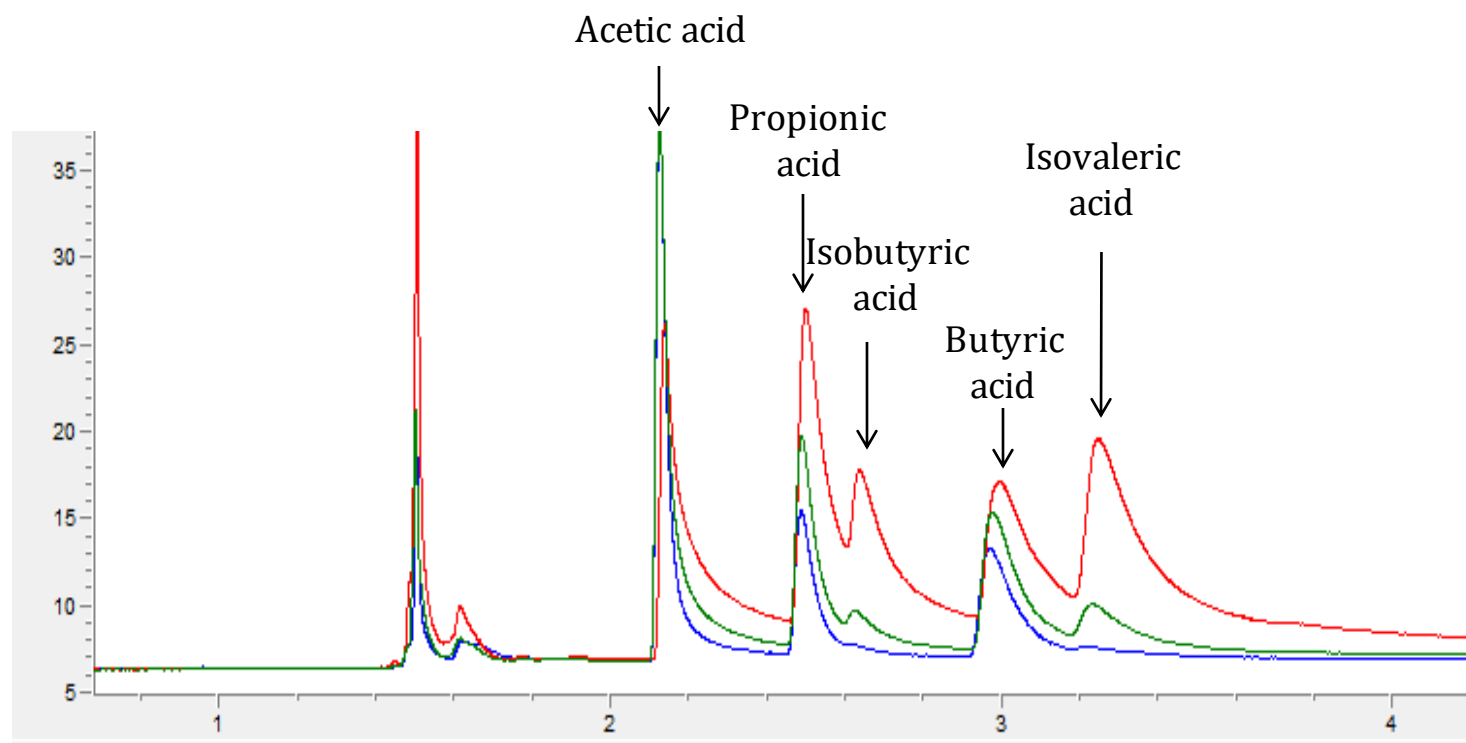


Name and surname :			
Age:			
Your son/daughter was born by:	Delivery	Caesarean section	
Did he/she have any hospitalization last year?	YES	NO	
Does he/she suffer a chronic disease?	YES	NO	Which one?
Does he/she take any medication?	YES	NO	Which one?
Did he/she consume antibiotics in the last 6 months?	YES	NO	
Breastfeeding?	YES	NO	For how long?
Does he/she consume formula milk?	YES	NO	Which one?
			Since when?
Indicate with a tick what kind of food does your kid consume			Vegetables
			Fruits
			Meat and poultry
			Fish
			Dairy products
			Grains, Beans and Nuts
			Eggs

Supplementary Figure 1. Questioner answered by faecal samples donors' parents



Supplementary Figure 2. Alpha-rarefaction curves of 16S RNA obtained from fecal homogenates after 72 h of fermentation on Basal Medium (BM), supplemented with EPS₈₃₃₉ or EPS₈₃₁₂₄ **A.** Observed OTUs. **B.** Shannon index.



Supplementary Figure 3. Short chain fatty acids profile of faecal homogenates fermented with EPS₈₃₁₂₄ during 24 h (—), 48 h (—) and 72 h (—) determined by gas chromatography .